

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yusuke KONAGAI

Serial No.: 11/585.269

Filed: July 5, 2006

LOUDSPEAKER ARRAY AUDIO SIGNAL SUPPLY APPARATUS

Group Art Unit:

MAIL STOP PCT COMMISSIONER FOR PATENTS P.O. Box 1450

Examiner:

Attorney Docket No.: YAMA:133

Certificate of Mailing I hereby certify that this paper is being deposited with the United States Postal Service as first class

mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

DATE:

By:

ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sirs:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B. These references were cited in the International Search Report of the parent PCT application PCT/JP2005/000158, except for reference D, which was cited in the specification of the present application. Copies of the references listed on Forms PTO/SB/08A and the International Search Report listed on PTO/SB/08B are attached.

It is respectfully requested that the information be expressly considered during the prosecution of this application, that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom, and that an initialed copy of the Forms PTO/SB/08A and PTO/SB/08B be returned to the undersigned.

Respectfully submitted,

ROSSI₂KIMMS & McDOWELL LLP

CA ROSSI REG. NO. 31,923

P.O. Box 826 ASHBURN, VA 20146-0826 703-726-6020 (PHONE)

703-726-6024 (FAX)

DATE 8/4/06

Approved for use through 07/31/2006, OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 6

Substitute for form 1449/PTO

Sheet 1

Complete if Known					
Application Number	10/585,269				
Filing Date	July 5, 2006				
First Named Inventor	Yusuke KONAGAI				
Art Unit					
Examiner Name					
Attorney Docket Number	YAMA:133				

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No.1	Number-Kind Code ^{2 (# known)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/	Α	US- 5,233,664	08-03-1993	YANAGAWA	
		US-			1
		US-			
	T	US-			
		US-			
		US-			
		US-	1		
		US-			1
	_	US-			
	 	US-			

			IGN PATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Г
		Country Code ³ "Number * "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
/GM/	В	JP 5-41897 A	02-19-1993	YANAGAWA et al.	Engl. Abstract	Г
	С	JP 9-121400 A	06-05-1997	KOMIYAMA	Engl. Abstract	Г
	D	JP 11-69474 A	09-03-1999	HAYAKAMA	Engl. Abstract	
	E	JP 2000-184488 A	06-30-2000	ITO	Engl. Absract	
/	F	JP 2003-510924 A	03-18-2003		see cite G	П
	G	WO 01/23104 A2	04-05-2001	HOOLEY et al		

Signature			ed		
	Initial if reference considered, whether or not citation is in conformance with MPEP 609. Dr				
considered. I	Include copy of this form with next communication to applicant. Applicant's unique citation	designation num	ber (optional). 2 See Kinds Codes of		

"EXAMINER: Initial if reference considered, whether or not classion is in conformance with MPEP 690. Draw line through citation if not in conformance and not considered. Include copy of his form with next communication to applicant." Applicant's unique clatifice designation number (optional). "See Kinds Codes of USPTO Patert Documents at <u>www.uspto.gog</u> or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (MPD Standard ST.3)." To appear patent obcuments, the indication of the year of the reging of the Emperor must proteode the sealing number of the patent document. Wind obcument by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is attacked."

Intravation is students.

This coloration of information is required by 27 CFR 157 and 158. The information is required to obtain or retain a breaft by the public which is to file (and by the coloration of information is required to coloration). The coloration is entired to state 2 bears or complete, breaking agriculture. Confidentially is governed by 38 U.S.C. 125 and 37 CFR 14.1 The coloration is entirement to state 2 bears or complete, breaking agriculture of the coloration is entire the coloration in the coloration is entire the coloration in the coloration is entire the coloration is entire the coloration in the coloration in the coloration is entire the coloration in the coloration in the coloration is entire the coloration in the coloration in the coloration is entire the coloration in the coloration in the coloration is entire the coloration in the coloration in the coloration is entire the coloration in the colo

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

Sheet 2

(Use as many sheets as necessary) of 6

Complete if Known				
Application Number	10/585,269			
Filing Date	July 5, 2006			
First Named Inventor	Yusuke KONAGAI			
Art Unit				
Examiner Name				
Attomey Docket Number	YAMA:133			

Examiner	Cite	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Page Columns Lines Where
Initials*	No.1	Number-Kind Code ² (* Anount)	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	_	US-	 		
		US-			
		US-			
		US-			
	†	US-	† · · · · i		
		US-			
	T	US-			
		US-	1		

Г			FOREI	GN PATENT DOCL	JMENTS		
	xaminer itials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pessages	
			Country Code ³ "Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To.
7	GM/	Н	JP 2002-345077 A	11-29-2002	ISHIMARU	Engl. Abstract	
		ı	JP 6-209500 A	07-26-1994	KAKU	Engl. Abstract	
П	Г	J	JP 6-261385 A	09-16-1994	FURUTA et al.	Engl. Abstract	
	I	K	JP 5-276591 A	10-22-1993	TANAKA et al.	Engl. Abstract	
┖	,	L	JP 6-62488 A	03-04-1994	CHIYOU	Engl. Abstract	
1	V -	M	JP 2004-531125	10-07-2004	TROUGHTON et al	see cite N	

Examiner Signature /George Monikang/	Date 11/15/2007 Considered	
--------------------------------------	----------------------------	--

*EXAMNER: Initial if reference considered, whether or not citation is in conformance with MPEP 649. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. *Applicants unique citation designation number (options). *See Kinds Codes of USPTO Plants Drowners at *www.septo.gov or MPEP 90.04. *Eter Childco that issued the document, by the two-letter code (WIPO Standard S1.3). *For Jupanese patent document, his indication of the year of the reign of the Emperor must precede the sential number of the patent community. **Mind of document by the appropriate symbolics as indicated on the document under WIPO Standard S1.15 if possible. **Applicant is to place on check mark here it find inaquage in the patent of the sential number of the patent of the patent is placed and check mark here it find inaquage in the patent is the patent of the patent is to place on check mark here it find inaquage in the patent is the patent of the patent is to place and check mark here it find inaquage in the patent is the patent in the patent is the patent in the patent is the patent in the patent in the patent in the patent is the patent in t Translation is attached.

Translation is etaboris.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USFT 0 to process) an application. Confidentially is governed by 35 U.SC. 122 and 37 CFR 1.14. This collection is estimated to sake 2 hours to complete, including gathering, preparing an uniformating the completed application from the USFT 0. Time will vary depending upon the individual cache. Any comments on the amount of time you require to complete from another suggestions for reducing this bustien, should be sent to the Chief Information Officer, U.S. Patent and Talestands (Total), P.O. Bost 1956, Oradionis, Vol. 2013 1-8145, O.D. NOT SEND FEES OR COMPLETED FORMIS TO THIS ADDRESS. SENDING. TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required Substitute for form 1449/PTO	to respond to a collection of inform	nation unless it contains a valid OMB control number complete if Known
Substitute for form 144577-1 O	Application Number	10/585,269
INFORMATION DISCLOSURE	Filing Date	July 5, 2006
	First Named Inventor	Yusuke KONAGAI
STATEMENT BY APPLICANT	Art Unit	
(Use as many sheets as necessary)	Examiner Name	

of 6

Sheet 3

Attorney Docket Number YAMA:133

Examiner	T Cito	Document Number	U. S. PATENT D Publication Date	Name of Patentee or	I Page Columne Lines Where
Initials*	Cite No.1	Number-Kind Code ^{2 (# Inners)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	-	Number-Kind Code			rigatos rapoca
		US-	1		
		US-			
		US-	1		
		US-	1		
		US-			
		US-	1		
	+	US-			
		US-	1 1		
		US-	1		
		US-		· · · · · · · · · · · · · · · · · · ·	1
	-	US-			
	†	US-			1
		US-	1		
		US-	 		1

		FOREI	GN PATENT DOCL	IMENTS		_
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	1	Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
7GM/	N	WO 02/078388 A2	10-03-2002	TROUGHTON et al		
	0	GB 2 273 848 A	06-29-1994	ZHANG	related to M	
	Р	JP 6-225379 A	08-12-1994	FURUTA et al.	Engl. Abstract	
	Q	JP 2004-172661 A	06-17-2004	ASADA et al.	Engl. Abstract	
	R	JP 2004-363697 A	12-24-2004	KONAGAI	Engl. Abstract	
\bigvee	S	JP 2004-350173 A	12-09-2004	NAKAYAMA et al.	Engl. Abstract	

Examiner Signature	/George Monikang/	Date Considered	11/15/2007	
-----------------------	-------------------	--------------------	------------	--

"EXAMINER" Initial if reference considered, whether or not citation is in conformance with MPEP 650. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicate. *Applicant's using us citation designation number (cotional). *See Kinds Codes of USPP 0 plants of the state of the cotion will be stated the document by the two-letter code (MPPD Stantand ST.3). *For Application patient documents, the indication of the year of the regin of the Engineer must precise the sent in number of the patient document. *And of occurrent type of the sent of the patient document type of the pati

Interestants in statement in required by 37 CFR 157 and 1.88. The information is required to obtain or retain a benefit by the public which is to fit pand by the following the public which is to fit pand by the following the public which is to fit pand by the public which is to support the public pand by the public which is to public pand by the public which is to expend the public pand by the public public pand by the public public pand by the public p

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patient and Trademark Office; U.S. DEPARTMENT OF COMMERCI.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4

Co.	npiete if Known	
Application Number	10/585,269	
Filing Date	July 5, 2006	
First Named Inventor	Yusuke KONAGAI	
Art Unit		
Examiner Name		
Attorney Docket Number	YAMA:133	

Examiner	Cita	Document Number	U. S. PATENT D	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No.1		MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2 (f Answer)}	 		Figures Appear
		US-			
		US-	1		
	П	US-			
		US-			
		US-			
	i –	US-			
		US-			
	\vdash	US-			
		US-	+		
		US-			
	_	US-	1		
		US-			<u> </u>
	_	US-			
-		US-			
		US-			
	-	US-			
		US-	1		
	1	US-			
	\vdash	US-	 		

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	No.1).1	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear					
			MM-DD-YYYY			T ⁶				
/GM/	T	JP 2003-23689 A	01-24-2003	HARUYAMA et al.	Engl. Abstract					
	U	JP 9-233951 A	09-05-1997	SASAKI et al.	Engl. Abstract	П				
	٧	JP 2004-193698 A	07-08-2004	ITABASHI et al.	Engl. Abstract	П				
	W	JP 2004-172703 A	06-17-2004	ASADA et al.	Engl. Abstract					
$\sqrt{}$	X	JP 2004-336530 A	11-25-2004	USUI et al.	Engl. Abstract	П				
V	Y	JP 6-269096 A	09-22-1994	NISHIKAWA	Engl. Abstract					

Examiner Signature	/George Monikang/	Date Considered	11/15/2007

"EXAMINEE" Initial if reference considered, whether or not citation is in conformance with MEP 500. Draw line intrough citation if not in conformance and merconsciented included copy of this form with not communication be applicated. "Inpicative simple citation designation number (optional). "See Krinds Codes of USPT 0 Paint Documents at Increasing Codes of USPT 0 Paint Document in India Codes of USPT 0 Paint Documents at Increasing Codes of USPT 0 Paint Documents of USPT 0 Paint D

Translation a stack-de.

The collection of interface in required by 7 CFR 1 ft 7 and 1 8. The information is required to obtain or retain is barefit by the public which is to leg out by the collection of interface in specification. Collected by its 10-cent of y \$8 U.S.C. 125 and 2 CFR 11.4. The collection is entirement to taste 1 have a comprete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time pour require to complete the information of time. U.S. Patient and Trademark Office, P.O. Box 1490, Alexandria, W.A. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner For Patients, P.O. and 4450, Alexandria, VA, 22313-1450.

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a cellection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 14/9PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

Application Number 10/585,269
Filing Date July 5, 2006
First Named Inventor Yusuke KONAGAI
Art Unit Examiner Name

Attorney Docket Number YAMA:133

			U. S. PATENT D	OCOMEN 15				
Examiner Initials*	No.1	Cite No.1	Cite No.1	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-	+					
		05-						
		US-						
		US-						
		US-						
	 	US-						
		US-	1					
	_	US-						
	1	US-						
	_	US-	 		<u> </u>			
		US-						
	_	US-						
	-	US-						
	1	US-			*			
	 	US-						
		US-						
		US-						
		US-	1					
	+	US-	1					
	 	US-						

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code ³ "Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To
/GM/	Z	JP 2005-12765 A	01-13-2005	KONAGAI et al.	Engl. Abstract	
1,	AA	JP 2005-80079 A	03-24-2005	MIURA et al.	Engl. Abstract	
Ψ	AB	JP 2005-27020 A	01-27-2005	ISONO	Engl. Abstract	
					1	L
					1	

"EXAMINER: Initial If reference considered, whether or not clastion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of his form with next communication to applicant. Applicants unsque catation designation number (options). "See Kinds Codes of USPTO Plants Drawmins at www.leapoor.copy or MPEP 901 on 8. "Enter Office that issued the document, by the two-leaft code (MPP) Standard ST3." For Japanese patient documents, his indication of the year of the reign of the Emperor must precede the setal number of the patient document. "Nind of document systems appointed symbolics as indicated on the document under MPPO Standards 271 for possible." Applicant is to place a check mark here it plan language

Translation of information is required by 37 CPR, 197 and 1.98. The information is required to obtain or retain a board by the public which is tell end by the processor of the public which is the first of the public which is the public which

Approved for use through 07/31/2006. OMB 0651-0031

$\overline{}$	te for form 1449/PTO	ACIOIL A	a or 1990, no persons as	e required to respond to a conscitor	of information unless it contains a valid OMB control number. Complete if Known
Cubbina	10 10 10 11 14 10 10			Application Number	10/585,269
			CLOSURE	Filing Date	July 5, 2006
STA	TEMENT B	ΥA	PPLICANT	First Named Inventor	Yusuke KONAGAI
	(Use as many she			Art Unit	
	(USe as many sne	ยเร ยร ก	ecessary)	Examiner Name	
Sheet	6	of	6	Attorney Docket Number	YAMA:133

		NON BATTONE A TENDE A TUBE DO CHATANTO	
Examiner Initials*	Cite No.1	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, ofly and/or country where publisher.	T ²
/GM/	AC	Relevant portion of International Search Report of corresponding PCT Application PCT/JP2005/000158.	
		·	

Examiner	/George Monikang/	Date	11/15/2007
Signature		Considered	-

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered, include copy of this form win next communication to appearant on the place a check may have 1 Feglish language Translation is attached. In Application study extraction designation number (potional). 2 Application is provided to check may have 1 feglish language Translation is attached, and by the USPTO to possess) an application. Confiderability is governed by \$5.U.S. C. 122 and \$7.CRT. 1.1.4. This confiderability is provided by the USPTO to possess) an application. Confiderability is governed by \$5.U.S. C. 122 and \$7.CRT. 1.1.4. This confiderability is confiderable to possess an application. Confiderability is governed by \$5.U.S. C. 122 and \$7.CRT. 1.1.4. This confiderability and submitting the completed application from the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete displacation from the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete displacations. On DON TESNET-EESS OR COMPLETED FORMS TO THIS ADDRESS. SENTO DADRESS. SENTO DADRES Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.